

AMENDMENT UNDER 37 C.F.R. § 1.116
Application No.: 10/042,154
Atty Docket No.: Q62628

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claim 1. (currently amended): A polishing composition comprising at least (a) water, (b) alumina crystal and (c) a sol product,

wherein the sol product (c) is (i) obtained by high-shear stirring of a mixture of an aluminum salt with at least one species selected from the group consisting of sodium hydroxide, potassium hydroxide, ammonia, organic amine compounds, amine chelate compounds, aminocarboxylic acids, aminocarboxylic acid chelate compounds and aminophosphonic acid chelate compounds, or

wherein the sol product (c) is (ii) obtained by high-shear stirring of a mixture of at least one species selected from among hydrates and anhydrides of aluminum salts including inorganic acid aluminum salts that include aluminum sulfate, aluminum chloride, aluminum nitrate, aluminum phosphate and aluminum borate, and organic acid aluminum salts that include aluminum acetate, aluminum lactate and aluminum stearate with at least one species selected from among sodium hydroxide, potassium hydroxide, ammonia, organic amine compounds, amine chelate compounds, aminocarboxylic acids, aminocarboxylic acid chelate compounds and amino-phosphonic acid chelate compounds, and

wherein the sol product (c) is amorphous.

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Claim 2. (original): A polishing composition according to claim 1, further comprising a polishing accelerator.

Claim 3. (original): A polishing composition according to claim 2, wherein the polishing accelerator is at least one species selected from the group consisting of organic acids, inorganic acids and salts thereof.

Claim 4. (currently amended): A polishing composition according to claim 1, wherein the sol product is obtained by high-shear stirring of a mixture of an aluminum salt with at least one species selected from the group consisting of sodium hydroxide, potassium hydroxide, ammonia, organic amine compounds, amine chelate compounds, aminocarboxylic acids, aminocarboxylic acid chelate compounds and aminophosphonic acid chelate compounds.

Claim 5. (currently amended): A polishing composition according to claim 2, wherein the sol product is obtained by high-shear stirring of a mixture of an aluminum salt with at least one species selected from the group consisting of sodium hydroxide, potassium hydroxide, ammonia, organic amine compounds, amine chelate compounds, aminocarboxylic acids, aminocarboxylic acid chelate compounds and aminophosphonic acid chelate compounds.

Claim 6. (currently amended): A polishing composition according to claim 1, wherein the sol product is obtained by high-shear stirring of a mixture of at least one species selected from among hydrates and anhydrides of aluminum salts including inorganic acid aluminum salts that include aluminum sulfate, aluminum chloride, aluminum nitrate, aluminum phosphate and aluminum borate, and organic acid aluminum salts that include aluminum acetate, aluminum lactate and aluminum stearate with at least one species selected from among sodium

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hydroxide, potassium hydroxide, ammonia, organic amine compounds, amine chelate compounds, aminocarboxylic acids, aminocarboxylic acid chelate compounds and amino-phosphonic acid chelate compounds.

Claim 7. (currently amended): A polishing composition according to claim 2, wherein the sol product is obtained by high-shear stirring of a mixture of at least one species selected from among hydrates and anhydrides of aluminum salts including inorganic acid aluminum salts that include aluminum sulfate, aluminum chloride, aluminum nitrate, aluminum phosphate and aluminum borate, and organic acid aluminum salts that include aluminum acetate, aluminum lactate and aluminum stearate with at least one species selected from among sodium hydroxide, potassium hydroxide, ammonia, organic amine compounds, amine chelate compounds, aminocarboxylic acids, aminocarboxylic acid chelate compounds and amino-phosphonic acid chelate compounds.

Claim 8. (currently amended): A polishing composition according to claim 1, wherein the sol product is obtained by high-shear stirring of a mixture of at least one aluminum salt selected from the group consisting of aluminum sulfate, aluminum chloride and aluminum nitrate with at least one compound selected from the group consisting of sodium hydroxide, potassium hydroxide, ammonia, triethanolamine and aminotrismethylenephosphonic acid.

Claim 9. (currently amended): A polishing composition according to claim 2, wherein the sol product is obtained by high-shear stirring of a mixture of at least one aluminum salt selected from the group consisting of aluminum sulfate, aluminum chloride and aluminum

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nitrate with at least one compound selected from the group consisting of sodium hydroxide, potassium hydroxide, ammonia, triethanolamine and aminotrismethylenephosphonic acid.

Claim 10. (original): A polishing composition according to claim 2, wherein the polishing accelerator is contained in an amount of 0.01-10 mass%.

Claim 11. (original): A polishing composition according to claim 1, wherein the sol product is contained in an amount of 0.01-5 mass%.

Claim 12. (original): A polishing composition according to claim 2, wherein the sol product is contained in an amount of 0.01-5 mass%.

Claims 13 to 20. (canceled).

Claim 21. (previously presented): A polishing composition according to claim 1, wherein the alumina crystal has an average particle size of from 0.02 to 5 μm .